

## 28 FOCALES FIXES AUTOFOCUS

|                  | ouverture    | < = f/2.8 bords          | < = f/2.8 centre       | f/4 à f/5.6 | f/8 à f/11 | f/16  |
|------------------|--------------|--------------------------|------------------------|-------------|------------|-------|
| OPTIQUE          | focale       |                          |                        |             |            |       |
| 14 mm f/2.8 AFD  | 14 mm        | +                        | ++                     | +++         | ++++       | ++++  |
| 18 mm f/2.8 AFD  | 18 mm        | +                        | +++                    | +++         | +++        | +++   |
| 20 mm f/2.8 AFD  | 20 mm        | ++                       | +++                    | +++         | +++++      | ++++  |
| 24 mm f/2.8 AF   | 24 mm        | +                        | ++++                   | ++++        | +++++      | ++++  |
| 24 mm f/2.8 AFD  | 24 mm        | ++                       | ++++                   | +++         | +++++      | ++++  |
| 28 mm f/1.4 AFD  | 28 mm        | + (1.4) ++ (2)+++++(2.8) | +(1.4)++++(2)++++(2.8) | ++++        | +++++      | ++++  |
| 28 mm f/2.8 AF   | 28 mm        | +                        | ++                     | ++          | ++++       | ++++  |
| 28 mm f/2.8 AFD  | 28 mm        | +                        | ++++                   | +++         | +++        | +++   |
| 35 mm f/2 AFD    | 35 mm        | +                        | ++++                   | ++++        | +++++      | +++++ |
| 50 mm f/1.4 AFD  | 50 mm        | ++                       | ++++(1.4)+++++(2-2.8)  | +++++       | +++++      | ++++  |
| 50 mm f/1.8 AFD  | 50 mm        | ++                       | ++                     | +++++       | +++++      | +++++ |
| 60 mm f/2.8 AFD  | 60 mm micro  | ++                       | +++++                  | +++++       | +++++      | +++++ |
| 60 mm f/2.8 AFS  | 60 mm micro  | +++++                    | ++++                   | +++++       | +++++      | +++++ |
| 85 mm f/1.4 AFD  | 85 mm        | ++                       | ++++(1.4)+++++(2-2.8)  | +++++       | ++++       | ++++  |
| 85 mm f/1.8 AFD  | 85 mm        | ++++(1.8)+++++(2-2.8)    | ++(1.8)+++++(2-2.8)    | +++++       | +++++      | +++++ |
| 105 mm f/2 AFD   | 105 mm       | ++(2)++++(2.8)           | ++(2)++++(2.8)         | ++++        | +++++      | ++++  |
| 105 mm f/2.8 AFD | 105 mm micro | ++++                     | ++++                   | +++++       | +++++      | ++++  |
| 105 mm f/2.8 VR  | 105 mm       | ++++                     | ++++                   | +++++       | +++++      | ++++  |
| 135 mm f/2 AF    | 135 mm       | +                        | +                      | +++         | ++++       | ++++  |
| 180 mm f/2.8 AFD | 180 mm       | +++                      | ++++                   | ++++        | ++++       | +++   |
| 200 mm f/2 AFS   | 200 mm       | +++++                    | +++++                  | +++++       | ++++       | ++    |
| 200 mm f/4 AFD   | 200 mm       |                          |                        | +++++       | ++++       | +++   |
| 300 mm f/2.8 AFI | 300 mm       | +++++                    | +++++                  | +++++       | ++++       | +++   |
| 300 mm f/2.8 AFS | 300 mm       | +++                      | +++++                  | ++++        | ++++       | +++   |
| 300 mm f/2.8 VR  | 300 mm       | +++++                    | +++++                  | +++++       | +++++      | ++    |
| 300 mm f/4 AFD   | 300 mm       |                          |                        | ++++        | ++++       | +++   |
| 300 mm f/4 AF    |              |                          |                        | +++         | ++++       | ++    |
| 300 mm f/4 AFS   |              |                          |                        | ++++        | ++++       | +++   |
|                  | ouverture    | < = f/2.8 bords          | < = f/2.8 centre       | f/4 à f/5.6 | f/8 à f/11 | f/16  |

## 52 FOCALES FIXES MANUELLES

|                    | ouverture | < = f/2.8/3.5 bords   | < = f/2.8/3.5 centre    | f/4 à f/5.6 | f/8 à f/11 | f/16  |
|--------------------|-----------|-----------------------|-------------------------|-------------|------------|-------|
| OPTIQUE            | focale    |                       |                         |             |            |       |
| 13 mm f/5,6 AIS    | 13 mm     |                       |                         | +           | +++        | +++   |
| 15 mm f/3.5 AIS    | 15 mm     | +                     | ++                      | ++          | +++++      | ++++  |
| 18 mm f/3.5 AIS    | 18 mm     | +                     | +++                     | ++          | ++++       | ++++  |
| 20 mm f/2.8 AIS    | 20 mm     | +                     | +++                     | +++         | +++++      | ++++  |
| 20 mm f/4 non Ai   | 20 mm     |                       |                         | +++         | +++        | ++++  |
| 20 mm f/3,5 non Ai | 20 mm     |                       | ++++                    | +++         | ++++       | ++++  |
| 24 mm f/2.8 non AI | 24 mm     | +                     | ++++                    | ++++        | +++++      | ++++  |
| 24 mm f/2 AIS      | 24 mm     | +                     | ++                      | ++++        | ++++       | ++++  |
| 24 mm f/2.8 AIS    | 24 mm     | ++                    | ++++                    | +++         | +++++      | ++++  |
| 24 mm f/3.5 PC     | 24 mm     | ++++                  | +++++                   | +++++       | +++++      | ++++  |
| 28 mm f/2 AIS      | 28 mm     | +                     | +++                     | ++++        | +++++      | ++++  |
| 28 mm f/2.8 AI     | 28 mm     | +                     | ++++                    | +++         | +++++      | ++++  |
| 28 mm f/2.8 AIS    | 28 mm     | ++                    | ++++                    | ++++        | +++++      | ++++  |
| 28 mm f/3.5 AI     | 28 mm     | +                     | +++                     | ++          | +++        | ++++  |
| 28 mm f/3.5 PC     | 35 mm     | +                     | ++++                    | +++         | ++++       | +++   |
| 35 mm f/1.4 AIS    | 35 mm     | +                     | +(1.4)++++(2)           | ++++        | +++++      | ++++  |
| 35 mm f/2 non AI   | 35 mm     | +                     | +++                     | ++++        | +++++      | ++++  |
| 35 mm f/2 AIS      | 35 mm     | +                     | ++                      | +++         | +++++      | ++++  |
| 35 mm f/2,5 E      | 35 mm     | +                     | +++                     | ++++        | +++++      | ++++  |
| 35 mm f/2.8 Ai     | 35 mm     | +                     | +++                     | ++++        | +++++      | +++++ |
| 35 mm f/2.8 non AI | 35 mm     | +                     | ++                      | ++          | ++++       | +++   |
| 35 mm f/2.8 PC     | 35 mm     | ++                    | ++++                    | +++         | +++++      | +++++ |
| 45 mm f/2.8 AIP    | 45 mm     | ++                    | ++++                    | ++++        | +++++      | ++++  |
| 50 mm f/1.2 AIS    | 50 mm     | +(1.2)++(2)+++++(2.8) | +(1.2)++++(2)+++++(2.8) | +++++       | +++++      | ++++  |

|                    |           |                        |                           |             |            |       |
|--------------------|-----------|------------------------|---------------------------|-------------|------------|-------|
| 50 mm f/1.4 non AI | 50 mm     | ++                     | +++ (1.4)++++ (2)         | +++++       | +++++      | ++++  |
| 50 mm f/1.4 AI     | 50 mm     | ++ (1.4/2) ++++ (2.8)  | ++ (1.4)+++ (2)++++ (2.8) | +++++       | +++++      | ++++  |
| 50 mm f/1.4 AI/AIS | 50 mm     | ++ (1.4/2) ++++ (2.8)  | ++ (1.4)++++ (2-2.8)      | +++++       | +++++      | +++++ |
| 50 mm f/1.8 AIS    | 50 mm     | +++                    | ++++                      | +++++       | +++++      | +++++ |
| 50 mm f/1.8 E      | 50 mm     | +                      | +++                       | +++++       | +++++      | +++++ |
| 50 mm f/2 AI       | 50 mm     | ++                     | +++                       | +++         | +++++      | +++++ |
| 55 mm f/2.8 AIS    | 55 mm     | ++++                   | ++++                      | +++++       | +++++      | +++++ |
| 55 mm f/3.5 AI     | 55 mm     | ++                     | ++++                      | +++++       | +++++      | +++++ |
| 55 mm f/1,2 non AI | 55 mm     | +(1,2)++++ (2)         | ++++                      | +++++       | +++++      | ++++  |
| 58 mm f/1.2 AIS    | 58 mm     | +                      | ++                        | ++++        | +++++      | +++++ |
| 80 mm f/2.8 AFF3   | 80 mm     | +++++                  | +++++                     | +++++       | +++++      | +++++ |
| 85 mm f/1.4 AIS    | 85 mm     | +(1.4)++ (2)++++ (2.8) | ++ (1.4)++++ (2-2.8)      | +++++       | +++++      | ++++  |
| 85 mm f/1.8 N      | 85 mm     | ++                     | +++ (<2.8) ++++ (2.8)     | +++++       | +++++      | ++++  |
| 85 mm f/2 Ais      | 85 mm     | ++                     | ++                        | ++++        | +++++      | ++++  |
| 100 mm f/2.8 E     | 100 mm    | ++++                   | +++                       | +++++       | +++++      | ++++  |
| 105 mm f/1.8 AIS   | 105 mm    | ++ (<2.8) ++++ (2.8)   | ++ (<2.8) ++++ (2.8)      | +++++       | +++++      | +++   |
| 105 mm f/2.5 AI    | 105 mm    | ++++                   | ++++                      | +++++       | +++++      | +++++ |
| 105 mm f/2.8 AIS   | 105 mm    | ++++                   | ++++                      | +++++       | +++++      | +++   |
| 105 mm f/4 Ai      | 105 mm    |                        |                           | ++++        | +++++      | ++++  |
| 135 mm f/2 AIS     | 135 mm    | +++                    | ++++                      | +++++       | +++++      | +++   |
| 135 mm f/2.8 AIS   | 135 mm    | ++++                   | ++++                      | ++++        | ++++       | +++   |
| 135 mm f/2.8 F     | 135 mm    | ++++                   | ++++                      | +++++       | +++++      | ++++  |
| 135 mm f/3.5 Ai    | 135 mm    | +++++                  | +++++                     | +++++       | +++++      | ++++  |
| 180 mm f/2.8 F     | 180 mm    | +                      | ++++                      | +++         | ++++       | +++   |
| 180 mm f/2.8 ED    | 180 mm    | +++                    | ++++                      | ++++        | +++++      | +++   |
| 200 mm f/2 AI      | 200 mm    | +++                    | ++                        | ++++        | ++++       | +++   |
| 200 mm f/4 AI      | 200 mm    |                        |                           | ++++        | ++++       | ++++  |
| 300 mm f/4.5 F     | 300 mm    |                        |                           | +++         | +++        | +++   |
| 300 mm f/4.5 IFED  | 300 mm    |                        |                           | +++         | ++++       | ++    |
|                    | ouverture | < = f/2.8/3.5 bords    | < = f/2.8/3.5 centre      | f/4 à f/5.6 | f/8 à f/11 | f/16  |

9 ZOOMS PROS f/2.8 CONSTANT

|               | ouverture | < = f/2.8 bords | < = f/2.8 centre | f/4 à f/5.6 | f/8 à f/11 | f/16  |
|---------------|-----------|-----------------|------------------|-------------|------------|-------|
| OPTIQUE       | focale    |                 |                  |             |            |       |
| 14-24 mm AFS  | 14 mm     | +++             | ++++             | +++++       | +++++      | +++++ |
|               | 20 mm     | +++             | ++++             | +++++       | +++++      | +++++ |
|               | 24 mm     | +++             | +++++            | +++++       | +++++      | +++++ |
| 17-35 mm AFS  | 17 mm     | +               | +++              | ++++        | ++++       | ++++  |
|               | 20 mm     | +               | +++              | ++++        | +++++      | ++++  |
|               | 24 mm     | ++              | ++++             | +++++       | +++++      | ++++  |
|               | 28 mm     | +               | +++              | ++++        | +++++      | ++++  |
|               | 35 mm     | ++              | +++              | ++++        | +++++      | ++++  |
| 20-35 mm AFD  | 20 mm     | +               | +++              | +++         | ++++       | ++++  |
|               | 24 mm     | +               | +++              | ++++        | ++++       | ++++  |
|               | 28 mm     | +               | +++              | ++++        | ++++       | ++++  |
|               | 35 mm     | +               | +++              | +++         | ++++       | ++++  |
| 24-70 mm AFS  | 24 mm     | ++++            | ++++             | ++++        | ++++       | ++++  |
|               | 35 mm     | ++++            | +++++            | +++++       | +++++      | ++++  |
|               | 50 mm     | ++++            | ++++             | +++++       | +++++      | ++++  |
|               | 70 mm     | +++             | ++++             | ++++        | ++++       | ++++  |
| 28-70 mm AFS  | 28 mm     | +++             | +++++            | ++++        | +++++      | ++++  |
|               | 35 mm     | ++              | +++              | ++++        | +++++      | +++++ |
|               | 50 mm     | ++              | +++              | ++++        | +++++      | ++++  |
|               | 70 mm     | +               | ++               | +++         | ++++       | +++   |
| 35-70 mm AFD  | 35 mm     | ++              | +++++            | +++++       | +++++      | ++++  |
|               | 50 mm     | +++             | ++++             | +++++       | +++++      | ++++  |
|               | 70 mm     | +               | +++              | ++++        | +++++      | ++++  |
| 70-200 mm AFS | 70 mm     | +++             | ++++             | +++++       | +++++      | ++++  |
|               | 105 mm    | +++             | ++++             | +++++       | ++++       | ++++  |
|               | 135 mm    | +++             | ++++             | +++++       | +++++      | ++++  |

|               |           |                   |                    |               |            |      |
|---------------|-----------|-------------------|--------------------|---------------|------------|------|
|               | 200 mm    | ++                | +++                | ++++          | +++        | -    |
| 80-200 mm AFD | 80 mm     | +++               | ++++               | ++++          | ++++       | ++++ |
|               | 135 mm    | ++                | +++                | ++++          | ++++       | ++++ |
|               | 200 mm    | ++                | +++                | ++++          | ++++       | -    |
| 80-200 mm AFS | 80 mm     | ++++              | ++++               | ++++          | ++++       | ++++ |
|               | 105 mm    | ++++              | ++++               | ++++          | ++++       | ++++ |
|               | 135 mm    | ++++              | ++++               | ++++          | ++++       | ++++ |
|               | 200 mm    | ++++              | +++                | ++++          | ++++       | -    |
|               | ouverture | < = f/3.5/4 bords | < = f/3.5/4 centre | f/4.5 à f/5.6 | f/8 à f/11 | f/16 |

16 ZOOMS EXPERT

|               | ouverture | < = f/3.5/4 bords | < = f/3.5/4 centre | f/4.5-5.6 bords | f/4.5- 5.6 centre | f/8 à f/11 | f/16 |
|---------------|-----------|-------------------|--------------------|-----------------|-------------------|------------|------|
| OPTIQUE       | focale    |                   |                    |                 |                   |            |      |
| 18-35 mm AFD  | 18 mm     | -                 | ++++               | -               | ++++              | +++        | ++++ |
|               | 24 mm     | -                 | ++++               | -               | ++++              | ++++       | ++++ |
|               | 28 mm     | -                 | ++++               | -               | ++++              | +++        | ++++ |
|               | 35 mm     |                   |                    | +               | ++++              | +++        | ++++ |
| 24-50 mm AF   | 24 mm     | -                 | +++                | +               | ++++              | +++        | ++++ |
|               | 35 mm     | -                 | +                  | -               | ++                | ++++       | ++++ |
|               | 50 mm     |                   |                    | +               | ++                | +++        | ++++ |
| 24-85 mm AFD  | 24 mm     | +                 | ++++               | ++++            | ++++              | ++++       | ++++ |
|               | 35 mm     | -                 | ++++               | +               | ++++              | ++++       | ++++ |
|               | 50 mm     | +                 | ++++               | ++              | ++++              | ++++       | ++++ |
|               | 85 mm     | +                 | +++                | +               | ++++              | ++++       | ++++ |
| 24-85 mm AFS  | 24 mm     | ++                | +++                | ++++            | ++++              | ++++       | ++++ |
|               | 35 mm     | +                 | +++                | +               | ++++              | ++++       | ++++ |
|               | 50 mm     |                   |                    | +               | +++               | +++        | ++++ |
|               | 85 mm     |                   |                    | ++              | ++++              | ++++       | ++++ |
| 24-120 mm VR  | 24 mm     | +                 | +++                | ++              | ++++              | +++        | ++++ |
|               | 35 mm     | -                 | +                  | -               | +++               | +++        | +++  |
|               | 50 mm     |                   |                    | +               | ++                | +++        | ++++ |
|               | 85 mm     |                   |                    | +               | ++                | +++        | +++  |
|               | 120 mm    |                   |                    | +               | ++                | +++        | +++  |
| 24-120mm AFD  | 24 mm     | +                 | +++                | ++              | +++               | ++++       | ++++ |
|               | 35 mm     | +                 | +++                | +               | +++               | ++++       | ++++ |
|               | 50 mm     | +                 | ++                 | +               | +++               | ++++       | ++++ |
|               | 85 mm     |                   |                    | -               | ++                | +++        | ++++ |
|               | 120 mm    |                   |                    | -               | -                 | ++         | +++  |
| 28-105mm AFD  | 28 mm     | +                 | +++                | +               | +++               | ++++       | ++++ |
|               | 50 mm     | +                 | +++                | ++              | ++++              | ++++       | ++++ |
|               | 70 mm     |                   |                    | ++              | +++               | ++++       | ++++ |
|               | 105 mm    |                   |                    | ++              | ++++              | ++++       | ++++ |
| 28-200mm AFD  | 28 mm     | +                 | ++++               | ++              | ++++              | +++        | ++++ |
|               | 50 mm     | ++++              | ++++               | ++++            | ++++              | ++++       | ++++ |
|               | 135 mm    |                   |                    | +               | ++                | +++        | +    |
|               | 200 mm    |                   |                    | +               | ++                | ++         | ++   |
| 35 - 70 mm AF | 35 mm     | -                 | +++                | +               | ++++              | ++++       | +++  |
|               | 50 mm     | +                 | +                  | ++              | ++++              | ++++       | +++  |
|               | 70 mm     |                   |                    | -               | ++                | +++        | +++  |
| 35 - 80 AFD   | 35 mm     | ++                | +++                | ++              | +++               | ++++       | ++++ |
|               | 50 mm     |                   |                    | ++              | +++               | ++++       | ++++ |
|               | 80 mm     |                   |                    | +               | +++               | ++++       | +++  |
| 35-105 AFD    | 35 mm     | +                 | ++++               | ++              | ++++              | ++++       | ++++ |
|               | 50 mm     | +                 | ++++               | +               | ++++              | ++++       | ++++ |
|               | 70 mm     | +                 | +++                | +               | ++++              | ++++       | ++++ |
|               | 105 mm    |                   |                    | ++              | ++++              | ++++       | ++++ |
| 70-180 Micro  | 70 mm     | ++++              | ++++               | ++++            | ++++              | ++++       | ++++ |
|               | 105 mm    |                   |                    | ++++            | ++++              | ++++       | ++++ |
|               | 180 mm    |                   |                    | +++             | ++++              | +++        | +++  |

|              |           |                   |                    |                  |                   |            |      |
|--------------|-----------|-------------------|--------------------|------------------|-------------------|------------|------|
| 70 -210 AF   | 70 mm     | ++                | ++++               | ++               | ++++              | ++++       | ++++ |
|              | 135 mm    | ++                | +++                | ++               | ++++              | +++        | ++++ |
|              | 210 mm    | ++                | +++                | ++               | +++               | +++        | +++  |
| 70 - 210 AFD | 70 mm     | ++++              | ++++               | ++++             | ++++              | ++++       | ++++ |
|              | 135 mm    |                   |                    | +                | +++               | +++        | +++  |
|              | 210 mm    |                   |                    | ++               | +++               | +++        | +++  |
| 70 -300 ED   | 70 mm     | -                 | +++                | +                | +++               | +++        | +++  |
|              | 135 mm    | +                 | +++                | +                | ++++              | ++++       | ++++ |
|              | 200 mm    |                   |                    | +                | ++                | +++        | ++   |
|              | 300 mm    |                   |                    | -                | -                 | +          | +    |
| 70 - 300 VR  | 70 mm     |                   |                    | ++++             | ++++              | ++++       | ++++ |
|              | 135 mm    |                   |                    | ++++             | ++++              | ++++       | ++++ |
|              | 200 mm    |                   |                    | ++++             | ++++              | ++++       | +++  |
|              | 300 mm    |                   |                    | ++               | ++++              | ++         | +    |
|              | ouverture | < = f/3.5/4 bords | < = f/3.5/4 centre | f/4.5 -5.6 bords | f/4.5 -5.6 centre | f/8 à f/11 | f/16 |

## 5 ZOOMS AIS

|                   | ouverture | f/4- 4-5 bords | f/4- 4-5 centre | f/5.6 | f/8 à f/11 | f/16  |
|-------------------|-----------|----------------|-----------------|-------|------------|-------|
| 25-50 mm f/4      | 25 mm     | -              | ++++            | +++   | ++++       | ++++  |
|                   | 28 mm     | -              | ++++            | ++++  | ++++       | ++++  |
|                   | 35 mm     | -              | +++             | ++++  | ++++       | ++++  |
|                   | 50 mm     | -              | +               | +++   | ++++       | ++++  |
| 50-300 f/4.5 ED   | 70 mm *   | +++            | ++++            | ++++  | ++++       | ++++  |
|                   | 105 mm    | +              | ++++            | +++   | ++++       | ++++  |
|                   | 200 mm    | -              | +++             | +++   | +++        | ++++  |
|                   | 300 mm    | +              | ++++            | +++   | +++        | +++   |
| 75-150 mm f/3,5 E | 75 mm     | +++            | ++++            | +++   | ++++       | ++++  |
|                   | 100 mm    | +++            | ++++            | ++++  | +++++      | ++++  |
|                   | 150 mm    | ++             | +++             | ++++  | +++        | ++++  |
| 80-200 mm f/4     | 80 mm     | +++            | +++++           | +++   | ++++       | +++++ |
|                   | 135 mm    | +++            | ++++            | +++   | ++++       | ++++  |
|                   | 200 mm    | +++            | ++++            | ++++  | ++++       | ++++  |
| 100-300 mm f/5,6  | 100 mm    |                |                 | ++++  | ++++       | ++++  |
|                   | 200 mm    |                |                 | +++   | ++++       | ++++  |
|                   | 300 mm    |                |                 | +++   | +++        | +     |
|                   | ouverture | f/4- 4-5 bords | f/4- 4-5 centre | f/5.6 | f/8 à f/11 | f/16  |

\* = distance de map trop lointaine à 50 mm